

Pin-Belegung des IC D150 Digital IC D150 Pin Configuration

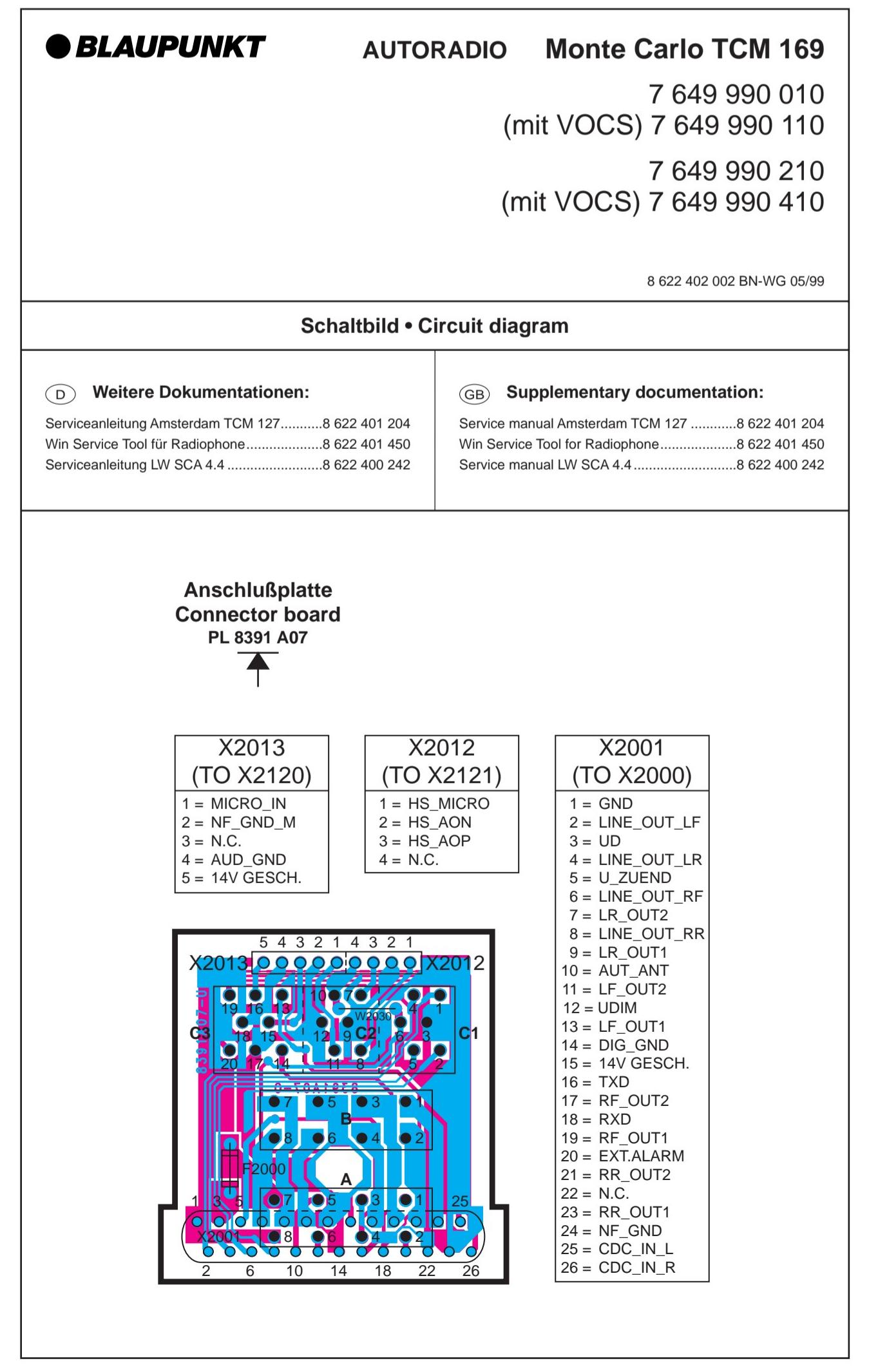
No.	I/O	Name	Funktion	Function
1	-	VSS	Masse	Ground
2	-	VDD	5 V	5 V
4	I	TDI	Testdateneingang	Test Data Input
5	I	TMS	Test Mode	Testmode
6	I	TCKL	Test Clock	Testclock
7	-	VDD	5 V	5 V
8	-	VSS	Masse	Ground
9	-	PWDN	Power down Zustand	Power down Mode

Prüfdiagnose Tuner IC (D1) Diagnosis test tuner IC (D1)						
in	Band	Frequenz	E'	Uss	Vermerke	Notice
ZF-OUT)	FM	97,1 MHz	83 dbµV	650 mVss	jeweils gegen Masse	respective against GND
28	FM	97,1 MHz	80 dbµV	25 mVss		
+32	FM	97,1 MHz	80 dbµV	200 mVss	jeweils gegen Masse	respective against GND
+32	AM	900 kHz	80 dbµV	200 mVss	jeweils gegen Masse	respective against GND
M-IN)	AM	900 kHz	80 dbµV	50 mVss		
86	AM	900 kHz	ab 73 dbµV		künstliche Antenne aus	not commutated
87	FM	97,1 MHz	ab 80 dbµV			
M-IN)	FM	97,1 MHz	94 dbµV	5 mVss		

Pin-Belegung des FM/AM Tuner-IC D1 Tuner IC D1 Pin configuration

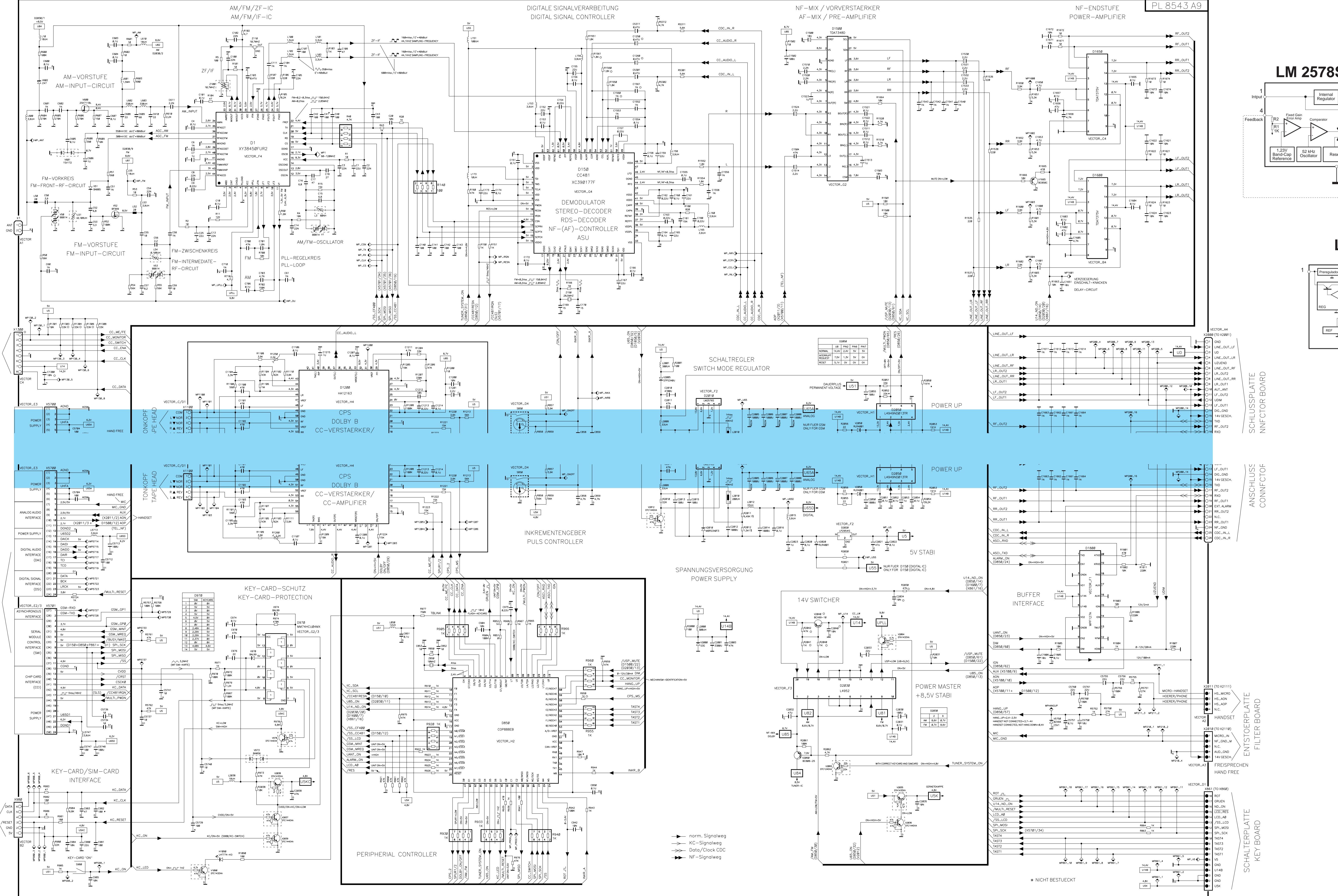
5	I	SCPCK	Clock µC Interface	Clock µC interface
6	-	VDDIO	Plusspannung Digitale Ein-/Ausgänge	Voltage for digital I/O
7	-	VSSIO	Masse Digitale Ein-/Ausgänge	Ground for digital I/O
8	O	CLK1	Programmierbarer Clock 1	Programmable clock 1
9	I	XTAL1	28,5 MHz Oszillator	Oscillator 28,5 MHz
10	O	XTALO	28,5 MHz Oszillator	Oscillator 28,5 MHz
11	I	TDI1	Testdateneingang 1	Test Input 1
12	-	VDD	5 V	5 V
13	-	VSS	Masse	Ground
14	-	VSSPLL	Masse (Minus) PLL	Ground (minus) PLL
15	-	VDDPLL	Plus PLL 5V	PLL 5V (pos.)
16	O	REFP1	Audio D/A-Wandler Positive Referenz	Audio D/A converter (pos. reference)
17	O	REFN1	Audio D/A-Wandler Negative Referenz	Audio D/A converter (neg. reference)
18	-	CAPN	PLL Kapazität (negativ)	PLL capacity (neg.)
19	-	CAPP	PLL Kapazität (positiv)	PLL capacity (pos.)
20	-	VDDO	Audio D/A - Wandler 5V	Audio D/A converter (+5V)
21	-	VSSO	Audio D/A - Wandler Masse	Audio D/A converter (ground)
22	O	RFO	Audio Rechts (analog)	Analogic audio right
23	-	OGND	Masse Analogausgänge	Ground
24	-	LFO	Audio Links (analog)	Analogic audio left
25	-	VDDA	5V A/D - Wandler	5V A/D - converter
26	-	VSSA	Masse A/D - Wandler	Ground A/D - converter
27	O	REFP3	Audio D/A-Wandler Positive Referenz	Audio D/A converter (pos. reference)
28	O	REFN3	Audio D/A-Wandler Negative Referenz	Audio D/A converter (neg. reference)
29	I	AUXL	Externer Eingang links	Auxillary left
30	I	CCL	Cassette Eingang links	Cassette input left
31	-	AGND	Audioeingänge Masse	Ground for Audio inputs
32	I	CCR	Cassette Eingang rechts	Cassette input right
33	I	AUXR	Externer Eingang rechts	Auxillary left right
34	-	VDDR	5 V	5 V
35	-	VSSR	Masse	Ground
36	O	REFP2	Audio D/A-Wandler Positive Referenz	Audio D/A converter (pos. reference)
37	I	IFP	ZF Eingang (plus)	Positif IF input
38	I	IFN	ZF Eingang (minus)	IF input (neg.)
39	O	REFN2	Audio D/A-Wandler Negative Referenz	Audio D/A converter (neg. reference)
40	-	VSSIF	ZF A/D - Wandler (minus)	IF A/D converter (-)

64	-	VDDIF	ZF A/D - Wandler 5 V	IF A/D converter (+5V)
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GSM-MODUL

CC-LAUFWERK SCA 4.4



AM/FM/ZF-IC
AM/FM/IF-IC

DIGITALE SIGNALVERARBEITUNG
DIGITAL SIGNAL CONTROLLER

NF-MIX / VORVERSTAERKER
AF-MIX / PRE-AMPLIFIER

PL 8543 A9

AM-VORSTUFE
AM-INPUT-CIRCUIT

FM-VORSTUFE
FM-INPUT-CIRCUIT

FM-ZWISCHENKREIS
FM-FRONT-RF-CIRCUIT

FM-INTERMEDIATE
RF-CIRCUIT

AM/FM-OSCILLATOR

PULL-REGELKREIS
PLL-LOOP

AM

AM